

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Appl. No. : 10/521,185 Confirmation No. : 8580
Applicant : John Royle
Filed: : June 24, 2005
Title: : APPARATUS FOR THE APPLICATION OF ELECTRICAL
PULSES TO THE HUMAN BODY
TC/A.U. : 4158
Examiner : PATEL, PRITESH ASHOK
Docket No. : 148/386
Customer No. : 23638

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

DECLARATION

I, John Royle, declare under 37 CFR 1.132, the following:

1. I graduated in 1971 with qualifications of the Member of Royal College of Surgeons (MRCS) in London and the Licentiate of Royal College of Physicians (LRCP) in London. I have over 30 years of experience in the field of pain management. I am the named inventor on the above referenced application.
2. I have reviewed the Office Action mailed on November 29, 2008 for the above referenced application. The Office Action indicates that changing the pulse width to 15-20 microseconds is an obvious modification. However, the teaching of MacDonald is limited to less than 10 microseconds.
3. I have discovered that a pulse width of greater than 10 microseconds is efficacious. In MacDonald it is clear that the combination of voltage and pulse width is material to the sensation of the user. The teaching of MacDonald is that a pulse width of 1-10 microseconds is permissible for a satisfactory patient treatment at significant voltages, but there is no teaching for a pulse width of greater than 10 microseconds.

4. I have discovered that the decaying fall of the wave having a pulse width of 15 to 20 microseconds surprisingly enables the electrical pulse to be applied to a patient's body to provide analgesia without undue heating and avoiding unwanted tingling or pain. This represents an improvement over the prior art that I am aware of.

All statements made herein of my own knowledge are true, all statements made herein on information and belief are believed to be true, and further that these statements were made with the knowledge that willful false statements and the like are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001, and may jeopardize the validity of the application or any patent issuing thereon.

Date: March 1, 2009


(s) John Royle